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| <p>(21) International Application Number: PCT/GB00/01006</p> <p>(22) International Filing Date: 17 March 2000 (17.03.00)</p> <p>(30) Priority Data: 9906566.6 23 March 1999 (23.03.99) GB</p> <p>(71) Applicant (for all designated States except US): AS- TRAZENECA AB [SE/SE]; S-151 85 Södertälje (SE).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): CUMMING, John, Graham [GB/GB]; Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB).</p> <p>(74) Agent: TAIT, Brian, Steele; AstraZeneca, Global Intellectual Property, P.O. Box 272, Mereside, Alderley Park, Maccles- field, Cheshire SK10 4GR (GB).</p> | | <p>(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p> |

(54) Title: PYRIDINE AND PYRIMIDINE DERIVATIVES AND THEIR USE AS INHIBITORS OF CYTOKINE MEDIATED DISEASE

(57) Abstract

This invention concerns a bicyclic compound of Formula (I), wherein: G is N, CH or C(CN); ring X is a 5- or 6-membered fused heteroaryl ring which contains 1, 2, or 3 heteroatoms selected from oxygen, sulphur and nitrogen; m is 0 - 2; R¹ is a group such as hydroxy, halo, trifluoromethyl, cyano, mercapto, nitro, amino, carboxy and carbamoyl; each of R² and R³ is hydrogen, halo, C₁-alkyl, C₂-alkenyl or C₂-alkynyl; R⁴ is a group such as hydrogen, hydroxy, C₁-alkyl, C₁-alkoxy, amino and N-C₁-alkylamino; R⁵ is a group such as hydrogen, halo, trifluoromethyl, cyano, nitro, amino and hydroxy, and q is 0 - 4; or a pharmaceutically acceptable salt or an *in vivo* cleavable ester thereof; processes for its preparation, a pharmaceutical composition containing it and its use in the treatment of diseases or medical conditions mediated by cytokines.

